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PTO/SB/05 (4/98)  
Approved for use through 09/30/2000. OMB 0651-0032  
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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))

Attorney Docket No. 612.39487X00

First Inventor or Application Identifier Annie AUDIBERT

Title CEMENT SLURRIES COMPRISING HYDROPHOBIC POLYMERS

Express Mail Label No.

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ \* Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☒ Specification [Total Pages 14]  
(preferred arrangement set forth below)
  - Descriptive title of the Invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to Microfiche Appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
3. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 4]
4. Oath or Declaration [Total Pages 2]
  - a. ☒ Newly executed (original or copy)
  - b. ☐ Copy from a prior application (37 C.F.R. § 1.63(d))  
(for continuation/divisional with Box 16 completed)
    - i. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).

\* NOTE FOR ITEMS 1 & 13 IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).

## ADDRESS TO:

Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

5. ☐ Microfiche Computer Program (Appendix)
6. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
  - a. ☐ Computer Readable Copy
  - b. ☐ Paper Copy (identical to computer copy)
  - c. ☐ Statement verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

7. ☒ Assignment Papers (cover sheet & document(s))
8. ☐ 37 C.F.R. § 3.73(b) Statement (when there is an assignee) ☒ Power of Attorney
9. ☐ English Translation Document (if applicable)
10. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
11. ☒ Preliminary Amendment
12. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
13. ☐ \* Small Entity Statement(s) ☐ Statement filed in prior application  
(PTO/SB/09-12) Status still proper and desired
14. ☒ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
15. ☒ Other: FIGS. 1-4  
CREDIT CARD PAYMENT FORM

## 16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: \_\_\_\_\_  
Prior application information: Examiner \_\_\_\_\_ Group / Art Unit: \_\_\_\_\_

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 17. CORRESPONDENCE ADDRESS

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or ☐ Correspondence address below

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Name

Address

City

State

Zip Code

Country

Telephone

Fax

Name (Print/Type)

Alan E. Schiavelli

Registration No. (Attorney/Agent)

32,087

Signature

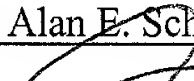
Date

02-9-01

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231

|  |                          |                  |
|--|--------------------------|------------------|
| <b>FEE TRANSMITTAL</b><br><b>for FY 2000</b><br><small>Patent fees are subject to annual revision.<br/>Small Entity payments <u>must</u> be supported by a small entity statement,<br/>otherwise large entity fees must be paid. See Forms PTO/SB/09-12.<br/>See 37 C.F.R. §§ 1.27 and 1.28.</small> | <b>Complete if Known</b> |                  |
|  | Application Number       |                  |
|  | Filing Date              | February 9, 2001 |
|  | First Named Inventor     | Annie AUDIBERT   |
|  | Examiner Name            |                  |
|  | Group / Art Unit         |                  |
| TOTAL AMOUNT OF PAYMENT  | (\$) <b>750.00</b>       |                  |
|  | Attorney Docket No.      | 612.39487X00     |

| <b>METHOD OF PAYMENT (check one)</b>   | <b>FEE CALCULATION (continued)</b>  |                       |                       |  |                          |                 |          |     |     |     |                    |                                     |      |     |     |                    |                   |  |      |     |                       |                       |                       |                           |                 |     |       |     |                    |  |      |     |      |     |                                   |  |                     |     |        |                                       |        |   |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
|--|---|-----------------------|-----------------------|--|--------------------------|-----------------|----------|-----|-----|-----|--------------------|-------------------------------------|------|-----|-----|--------------------|-------------------|--|------|-----|-----------------------|-----------------------|-----------------------|---------------------------|-----------------|-----|-------|-----|--------------------|--|------|-----|------|-----|-----------------------------------|--|---------------------|-----|--------|---------------------------------------|--------|---|------|-----|--|-----|----|--|------|--|---------------------|-----|-----|---|------|------------------------|-----|-----|-----|--|------|-----|-------|-----|-----|---|------|-----|-------|-----|-----|--|------|-----|-----|-----|-----|------------------|------|-----|-----|-----|-----|--|------|-----|-----|-----|-----|--------------------------|------|-----|-------|-----|-------|---|------|-----|-----|-----|----|----------------------------------|------|-----|-------|-----|-----|------------------------------------|------|-----|-------|-----|-----|--------------------------------|------|-----|-----|-----|-----|------------------|------|-----|-----|-----|-----|-----------------|------|-----|-----|-----|-----|-------------------------------|------|-----|----|-----|----|---|------|-----|-----|-----|-----|---|------|-----|----|-----|----|--|-------|-----|-----|-----|-----|---|------|-----|-----|-----|-----|--|------|---------------------------|--|--|--|--|------|---------------------------|--|--|--|--|------|---------------------|--|--|--|--|-------------------------|
| 1. <input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:<br><br>Deposit Account Number: <b>01-2135</b><br><br>Deposit Account Name: <b>Antonelli, Terry, Stout &amp; Kraus, LLP</b><br><br><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17  | <b>3. ADDITIONAL FEES</b><br><table border="1"><thead><tr><th>Large Entity Fee Code</th><th>Large Entity Fee (\$)</th><th>Small Entity Fee Code</th><th>Small Entity Fee (\$)</th><th>Fee Description</th><th>Fee Paid</th></tr></thead><tbody><tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing fee or oath</td><td>0.00</td></tr><tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td>0.00</td></tr><tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td>0.00</td></tr><tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for reexamination</td><td>0.00</td></tr><tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td>0.00</td></tr><tr><td>113</td><td>1,840*</td><td>113</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td>0.00</td></tr><tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for reply within first month</td><td>0.00</td></tr><tr><td>116</td><td>380</td><td>216</td><td>190</td><td>Extension for reply within second month</td><td>0.00</td></tr><tr><td>117</td><td>870</td><td>217</td><td>435</td><td>Extension for reply within third month</td><td>0.00</td></tr><tr><td>118</td><td>1,360</td><td>218</td><td>680</td><td>Extension for reply within fourth month</td><td>0.00</td></tr><tr><td>128</td><td>1,850</td><td>228</td><td>925</td><td>Extension for reply within fifth month</td><td>0.00</td></tr><tr><td>119</td><td>300</td><td>219</td><td>150</td><td>Notice of Appeal</td><td>0.00</td></tr><tr><td>120</td><td>300</td><td>220</td><td>150</td><td>Filing a brief in support of an appeal</td><td>0.00</td></tr><tr><td>121</td><td>260</td><td>221</td><td>130</td><td>Request for oral hearing</td><td>0.00</td></tr><tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td>0.00</td></tr><tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive - unavoidable</td><td>0.00</td></tr><tr><td>141</td><td>1,210</td><td>241</td><td>605</td><td>Petition to revive - unintentional</td><td>0.00</td></tr><tr><td>142</td><td>1,210</td><td>242</td><td>605</td><td>Utility issue fee (or reissue)</td><td>0.00</td></tr><tr><td>143</td><td>430</td><td>243</td><td>215</td><td>Design issue fee</td><td>0.00</td></tr><tr><td>144</td><td>580</td><td>244</td><td>290</td><td>Plant issue fee</td><td>0.00</td></tr><tr><td>122</td><td>130</td><td>122</td><td>130</td><td>Petitions to the Commissioner</td><td>0.00</td></tr><tr><td>123</td><td>50</td><td>123</td><td>50</td><td>Petitions related to provisional applications</td><td>0.00</td></tr><tr><td>126</td><td>240</td><td>126</td><td>240</td><td>Submission of Information Disclosure Stmt</td><td>0.00</td></tr><tr><td>581</td><td>40</td><td>581</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td>40.00</td></tr><tr><td>146</td><td>690</td><td>246</td><td>345</td><td>Filing a submission after final rejection (37 CFR § 1.129(a))</td><td>0.00</td></tr><tr><td>149</td><td>690</td><td>249</td><td>345</td><td>For each additional invention to be examined (37 CFR § 1.129(b))</td><td>0.00</td></tr><tr><td colspan="5">Other fee (specify) _____</td><td>0.00</td></tr><tr><td colspan="5">Other fee (specify) _____</td><td>0.00</td></tr><tr><td colspan="5"><b>Subtotal (3)</b></td><td><b>(\$)<b>40.00</b></b></td></tr></tbody></table> | Large Entity Fee Code | Large Entity Fee (\$) | Small Entity Fee Code  | Small Entity Fee (\$)    | Fee Description | Fee Paid | 105 | 130 | 205 | 65                 | Surcharge - late filing fee or oath | 0.00 | 127 | 50  | 227                | 25                | Surcharge - late provisional filing fee or cover sheet | 0.00 | 139 | 130                   | 139                   | 130                   | Non-English specification | 0.00            | 147 | 2,520 | 147 | 2,520              | For filing a request for reexamination | 0.00 | 112 | 920* | 112 | 920*                              | Requesting publication of SIR prior to Examiner action | 0.00                | 113 | 1,840* | 113                                   | 1,840* | Requesting publication of SIR after Examiner action | 0.00 | 115 | 110  | 215 | 55 | Extension for reply within first month | 0.00 | 116  | 380                 | 216 | 190 | Extension for reply within second month | 0.00 | 117                    | 870 | 217 | 435 | Extension for reply within third month | 0.00 | 118 | 1,360 | 218 | 680 | Extension for reply within fourth month | 0.00 | 128 | 1,850 | 228 | 925 | Extension for reply within fifth month | 0.00 | 119 | 300 | 219 | 150 | Notice of Appeal | 0.00 | 120 | 300 | 220 | 150 | Filing a brief in support of an appeal | 0.00 | 121 | 260 | 221 | 130 | Request for oral hearing | 0.00 | 138 | 1,510 | 138 | 1,510 | Petition to institute a public use proceeding | 0.00 | 140 | 110 | 240 | 55 | Petition to revive - unavoidable | 0.00 | 141 | 1,210 | 241 | 605 | Petition to revive - unintentional | 0.00 | 142 | 1,210 | 242 | 605 | Utility issue fee (or reissue) | 0.00 | 143 | 430 | 243 | 215 | Design issue fee | 0.00 | 144 | 580 | 244 | 290 | Plant issue fee | 0.00 | 122 | 130 | 122 | 130 | Petitions to the Commissioner | 0.00 | 123 | 50 | 123 | 50 | Petitions related to provisional applications | 0.00 | 126 | 240 | 126 | 240 | Submission of Information Disclosure Stmt | 0.00 | 581 | 40 | 581 | 40 | Recording each patent assignment per property (times number of properties) | 40.00 | 146 | 690 | 246 | 345 | Filing a submission after final rejection (37 CFR § 1.129(a)) | 0.00 | 149 | 690 | 249 | 345 | For each additional invention to be examined (37 CFR § 1.129(b)) | 0.00 | Other fee (specify) _____ |  |  |  |  | 0.00 | Other fee (specify) _____ |  |  |  |  | 0.00 | <b>Subtotal (3)</b> |  |  |  |  | <b>(\$)<b>40.00</b></b> |
| Large Entity Fee Code  | Large Entity Fee (\$)   | Small Entity Fee Code | Small Entity Fee (\$) | Fee Description  | Fee Paid                 |                 |          |     |     |     |                    |                                     |      |     |     |                    |                   |  |      |     |                       |                       |                       |                           |                 |     |       |     |                    |  |      |     |      |     |                                   |  |                     |     |        |                                       |        |   |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
| 105  | 130   | 205                   | 65                    | Surcharge - late filing fee or oath  | 0.00                     |                 |          |     |     |     |                    |                                     |      |     |     |                    |                   |  |      |     |                       |                       |                       |                           |                 |     |       |     |                    |  |      |     |      |     |                                   |  |                     |     |        |                                       |        |   |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
| 127  | 50  | 227                   | 25                    | Surcharge - late provisional filing fee or cover sheet                     | 0.00                     |                 |          |     |     |     |                    |                                     |      |     |     |                    |                   |  |      |     |                       |                       |                       |                           |                 |     |       |     |                    |  |      |     |      |     |                                   |  |                     |     |        |                                       |        |   |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
| 139  | 130   | 139                   | 130                   | Non-English specification  | 0.00                     |                 |          |     |     |     |                    |                                     |      |     |     |                    |                   |  |      |     |                       |                       |                       |                           |                 |     |       |     |                    |  |      |     |      |     |                                   |  |                     |     |        |                                       |        |   |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
| 147  | 2,520   | 147                   | 2,520                 | For filing a request for reexamination                                     | 0.00                     |                 |          |     |     |     |                    |                                     |      |     |     |                    |                   |  |      |     |                       |                       |                       |                           |                 |     |       |     |                    |  |      |     |      |     |                                   |  |                     |     |        |                                       |        |   |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
| 112  | 920*  | 112                   | 920*                  | Requesting publication of SIR prior to Examiner action                     | 0.00                     |                 |          |     |     |     |                    |                                     |      |     |     |                    |                   |  |      |     |                       |                       |                       |                           |                 |     |       |     |                    |  |      |     |      |     |                                   |  |                     |     |        |                                       |        |   |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
| 113  | 1,840*  | 113                   | 1,840*                | Requesting publication of SIR after Examiner action                        | 0.00                     |                 |          |     |     |     |                    |                                     |      |     |     |                    |                   |  |      |     |                       |                       |                       |                           |                 |     |       |     |                    |  |      |     |      |     |                                   |  |                     |     |        |                                       |        |   |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
| 115  | 110   | 215                   | 55                    | Extension for reply within first month                                     | 0.00                     |                 |          |     |     |     |                    |                                     |      |     |     |                    |                   |  |      |     |                       |                       |                       |                           |                 |     |       |     |                    |  |      |     |      |     |                                   |  |                     |     |        |                                       |        |   |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
| 116  | 380   | 216                   | 190                   | Extension for reply within second month                                    | 0.00                     |                 |          |     |     |     |                    |                                     |      |     |     |                    |                   |  |      |     |                       |                       |                       |                           |                 |     |       |     |                    |  |      |     |      |     |                                   |  |                     |     |        |                                       |        |   |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
| 117  | 870   | 217                   | 435                   | Extension for reply within third month                                     | 0.00                     |                 |          |     |     |     |                    |                                     |      |     |     |                    |                   |  |      |     |                       |                       |                       |                           |                 |     |       |     |                    |  |      |     |      |     |                                   |  |                     |     |        |                                       |        |   |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
| 118  | 1,360   | 218                   | 680                   | Extension for reply within fourth month                                    | 0.00                     |                 |          |     |     |     |                    |                                     |      |     |     |                    |                   |  |      |     |                       |                       |                       |                           |                 |     |       |     |                    |  |      |     |      |     |                                   |  |                     |     |        |                                       |        |   |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
| 128  | 1,850   | 228                   | 925                   | Extension for reply within fifth month                                     | 0.00                     |                 |          |     |     |     |                    |                                     |      |     |     |                    |                   |  |      |     |                       |                       |                       |                           |                 |     |       |     |                    |  |      |     |      |     |                                   |  |                     |     |        |                                       |        |   |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
| 119  | 300   | 219                   | 150                   | Notice of Appeal   | 0.00                     |                 |          |     |     |     |                    |                                     |      |     |     |                    |                   |  |      |     |                       |                       |                       |                           |                 |     |       |     |                    |  |      |     |      |     |                                   |  |                     |     |        |                                       |        |   |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
| 120  | 300   | 220                   | 150                   | Filing a brief in support of an appeal                                     | 0.00                     |                 |          |     |     |     |                    |                                     |      |     |     |                    |                   |  |      |     |                       |                       |                       |                           |                 |     |       |     |                    |  |      |     |      |     |                                   |  |                     |     |        |                                       |        |   |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
| 121  | 260   | 221                   | 130                   | Request for oral hearing   | 0.00                     |                 |          |     |     |     |                    |                                     |      |     |     |                    |                   |  |      |     |                       |                       |                       |                           |                 |     |       |     |                    |  |      |     |      |     |                                   |  |                     |     |        |                                       |        |   |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
| 138  | 1,510   | 138                   | 1,510                 | Petition to institute a public use proceeding                              | 0.00                     |                 |          |     |     |     |                    |                                     |      |     |     |                    |                   |  |      |     |                       |                       |                       |                           |                 |     |       |     |                    |  |      |     |      |     |                                   |  |                     |     |        |                                       |        |   |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
| 140  | 110   | 240                   | 55                    | Petition to revive - unavoidable   | 0.00                     |                 |          |     |     |     |                    |                                     |      |     |     |                    |                   |  |      |     |                       |                       |                       |                           |                 |     |       |     |                    |  |      |     |      |     |                                   |  |                     |     |        |                                       |        |   |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
| 141  | 1,210   | 241                   | 605                   | Petition to revive - unintentional   | 0.00                     |                 |          |     |     |     |                    |                                     |      |     |     |                    |                   |  |      |     |                       |                       |                       |                           |                 |     |       |     |                    |  |      |     |      |     |                                   |  |                     |     |        |                                       |        |   |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
| 142  | 1,210   | 242                   | 605                   | Utility issue fee (or reissue)   | 0.00                     |                 |          |     |     |     |                    |                                     |      |     |     |                    |                   |  |      |     |                       |                       |                       |                           |                 |     |       |     |                    |  |      |     |      |     |                                   |  |                     |     |        |                                       |        |   |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
| 143  | 430   | 243                   | 215                   | Design issue fee   | 0.00                     |                 |          |     |     |     |                    |                                     |      |     |     |                    |                   |  |      |     |                       |                       |                       |                           |                 |     |       |     |                    |  |      |     |      |     |                                   |  |                     |     |        |                                       |        |   |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
| 144  | 580   | 244                   | 290                   | Plant issue fee  | 0.00                     |                 |          |     |     |     |                    |                                     |      |     |     |                    |                   |  |      |     |                       |                       |                       |                           |                 |     |       |     |                    |  |      |     |      |     |                                   |  |                     |     |        |                                       |        |   |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
| 122  | 130   | 122                   | 130                   | Petitions to the Commissioner  | 0.00                     |                 |          |     |     |     |                    |                                     |      |     |     |                    |                   |  |      |     |                       |                       |                       |                           |                 |     |       |     |                    |  |      |     |      |     |                                   |  |                     |     |        |                                       |        |   |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
| 123  | 50  | 123                   | 50                    | Petitions related to provisional applications                              | 0.00                     |                 |          |     |     |     |                    |                                     |      |     |     |                    |                   |  |      |     |                       |                       |                       |                           |                 |     |       |     |                    |  |      |     |      |     |                                   |  |                     |     |        |                                       |        |   |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
| 126  | 240   | 126                   | 240                   | Submission of Information Disclosure Stmt                                  | 0.00                     |                 |          |     |     |     |                    |                                     |      |     |     |                    |                   |  |      |     |                       |                       |                       |                           |                 |     |       |     |                    |  |      |     |      |     |                                   |  |                     |     |        |                                       |        |   |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
| 581  | 40  | 581                   | 40                    | Recording each patent assignment per property (times number of properties) | 40.00                    |                 |          |     |     |     |                    |                                     |      |     |     |                    |                   |  |      |     |                       |                       |                       |                           |                 |     |       |     |                    |  |      |     |      |     |                                   |  |                     |     |        |                                       |        |   |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
| 146  | 690   | 246                   | 345                   | Filing a submission after final rejection (37 CFR § 1.129(a))              | 0.00                     |                 |          |     |     |     |                    |                                     |      |     |     |                    |                   |  |      |     |                       |                       |                       |                           |                 |     |       |     |                    |  |      |     |      |     |                                   |  |                     |     |        |                                       |        |   |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
| 149  | 690   | 249                   | 345                   | For each additional invention to be examined (37 CFR § 1.129(b))           | 0.00                     |                 |          |     |     |     |                    |                                     |      |     |     |                    |                   |  |      |     |                       |                       |                       |                           |                 |     |       |     |                    |  |      |     |      |     |                                   |  |                     |     |        |                                       |        |   |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
| Other fee (specify) _____  |   |                       |                       |  | 0.00                     |                 |          |     |     |     |                    |                                     |      |     |     |                    |                   |  |      |     |                       |                       |                       |                           |                 |     |       |     |                    |  |      |     |      |     |                                   |  |                     |     |        |                                       |        |   |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
| Other fee (specify) _____  |   |                       |                       |  | 0.00                     |                 |          |     |     |     |                    |                                     |      |     |     |                    |                   |  |      |     |                       |                       |                       |                           |                 |     |       |     |                    |  |      |     |      |     |                                   |  |                     |     |        |                                       |        |   |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
| <b>Subtotal (3)</b>  |   |                       |                       |  | <b>(\$)<b>40.00</b></b>  |                 |          |     |     |     |                    |                                     |      |     |     |                    |                   |  |      |     |                       |                       |                       |                           |                 |     |       |     |                    |  |      |     |      |     |                                   |  |                     |     |        |                                       |        |   |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
| <b>FEE CALCULATION</b>   |   |                       |                       |  |                          |                 |          |     |     |     |                    |                                     |      |     |     |                    |                   |  |      |     |                       |                       |                       |                           |                 |     |       |     |                    |  |      |     |      |     |                                   |  |                     |     |        |                                       |        |   |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
| <b>1. BASIC FILING FEE</b><br><table border="1"><thead><tr><th>Large Entity Fee Code</th><th>Large Entity Fee (\$)</th><th>Small Entity Fee Code</th><th>Small Entity Fee (\$)</th><th>Fee Description</th><th>Fee Paid</th></tr></thead><tbody><tr><td>101</td><td>690</td><td>201</td><td>345</td><td>Utility filing fee</td><td>710.00</td></tr><tr><td>106</td><td>310</td><td>206</td><td>155</td><td>Design filing fee</td><td></td></tr><tr><td>107</td><td>480</td><td>207</td><td>240</td><td>Plant filing fee</td><td></td></tr><tr><td>108</td><td>690</td><td>208</td><td>345</td><td>Reissue filing fee</td><td></td></tr><tr><td>114</td><td>150</td><td>214</td><td>75</td><td>Provisional filing fee</td><td></td></tr><tr><td colspan="5"><b>Subtotal (1)</b></td><td><b>(\$)<b>710.00</b></b></td></tr></tbody></table>  | Large Entity Fee Code   | Large Entity Fee (\$) | Small Entity Fee Code | Small Entity Fee (\$)  | Fee Description          | Fee Paid        | 101      | 690 | 201 | 345 | Utility filing fee | 710.00                              | 106  | 310 | 206 | 155                | Design filing fee |  | 107  | 480 | 207                   | 240                   | Plant filing fee      |                           | 108             | 690 | 208   | 345 | Reissue filing fee |  | 114  | 150 | 214  | 75  | Provisional filing fee            |  | <b>Subtotal (1)</b> |     |        |                                       |        | <b>(\$)<b>710.00</b></b>                            |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
| Large Entity Fee Code  | Large Entity Fee (\$)   | Small Entity Fee Code | Small Entity Fee (\$) | Fee Description  | Fee Paid                 |                 |          |     |     |     |                    |                                     |      |     |     |                    |                   |  |      |     |                       |                       |                       |                           |                 |     |       |     |                    |  |      |     |      |     |                                   |  |                     |     |        |                                       |        |   |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
| 101  | 690   | 201                   | 345                   | Utility filing fee   | 710.00                   |                 |          |     |     |     |                    |                                     |      |     |     |                    |                   |  |      |     |                       |                       |                       |                           |                 |     |       |     |                    |  |      |     |      |     |                                   |  |                     |     |        |                                       |        |   |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
| 106  | 310   | 206                   | 155                   | Design filing fee  |                          |                 |          |     |     |     |                    |                                     |      |     |     |                    |                   |  |      |     |                       |                       |                       |                           |                 |     |       |     |                    |  |      |     |      |     |                                   |  |                     |     |        |                                       |        |   |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
| 107  | 480   | 207                   | 240                   | Plant filing fee   |                          |                 |          |     |     |     |                    |                                     |      |     |     |                    |                   |  |      |     |                       |                       |                       |                           |                 |     |       |     |                    |  |      |     |      |     |                                   |  |                     |     |        |                                       |        |   |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
| 108  | 690   | 208                   | 345                   | Reissue filing fee   |                          |                 |          |     |     |     |                    |                                     |      |     |     |                    |                   |  |      |     |                       |                       |                       |                           |                 |     |       |     |                    |  |      |     |      |     |                                   |  |                     |     |        |                                       |        |   |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
| 114  | 150   | 214                   | 75                    | Provisional filing fee   |                          |                 |          |     |     |     |                    |                                     |      |     |     |                    |                   |  |      |     |                       |                       |                       |                           |                 |     |       |     |                    |  |      |     |      |     |                                   |  |                     |     |        |                                       |        |   |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
| <b>Subtotal (1)</b>  |   |                       |                       |  | <b>(\$)<b>710.00</b></b> |                 |          |     |     |     |                    |                                     |      |     |     |                    |                   |  |      |     |                       |                       |                       |                           |                 |     |       |     |                    |  |      |     |      |     |                                   |  |                     |     |        |                                       |        |   |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
| <b>2. EXTRA CLAIM FEES</b><br><table border="1"><thead><tr><th colspan="2">Total Claims</th><th>Extra Claims</th><th>Fee from below</th><th>Fee Paid</th></tr></thead><tbody><tr><td>7</td><td>-20**</td><td>0</td><td>18</td><td>0</td></tr><tr><td>2</td><td>-3**</td><td>0</td><td>80</td><td>0</td></tr><tr><td colspan="4">Multiple Dependent</td><td>0</td></tr></tbody></table><br><small>**or number previously paid, if greater; For Reissues, see below</small><br><table border="1"><thead><tr><th>Large Entity Fee Code</th><th>Large Entity Fee (\$)</th><th>Small Entity Fee Code</th><th>Small Entity Fee (\$)</th><th>Fee Description</th></tr></thead><tbody><tr><td>103</td><td>18</td><td>203</td><td>9</td><td>Claims in excess of 20</td></tr><tr><td>102</td><td>78</td><td>202</td><td>39</td><td>Independent claims in excess of 3</td></tr><tr><td>104</td><td>260</td><td>204</td><td>130</td><td>Multiple dependent claim, if not paid</td></tr><tr><td>109</td><td>78</td><td>209</td><td>39</td><td>** Reissue independent claims over original patent</td></tr><tr><td>110</td><td>18</td><td>210</td><td>9</td><td>** Reissue claims in excess of 20 and over original patent</td></tr><tr><td colspan="5"><b>Subtotal (2)</b></td><td><b>(\$)<b>0.00</b></b></td></tr></tbody></table> | Total Claims  |                       | Extra Claims          | Fee from below   | Fee Paid                 | 7               | -20**    | 0   | 18  | 0   | 2                  | -3**                                | 0    | 80  | 0   | Multiple Dependent |                   |  |      | 0   | Large Entity Fee Code | Large Entity Fee (\$) | Small Entity Fee Code | Small Entity Fee (\$)     | Fee Description | 103 | 18    | 203 | 9                  | Claims in excess of 20                 | 102  | 78  | 202  | 39  | Independent claims in excess of 3 | 104  | 260                 | 204 | 130    | Multiple dependent claim, if not paid | 109    | 78  | 209  | 39  | ** Reissue independent claims over original patent | 110 | 18 | 210                                    | 9    | ** Reissue claims in excess of 20 and over original patent | <b>Subtotal (2)</b> |     |     |   |      | <b>(\$)<b>0.00</b></b> |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
| Total Claims   |   | Extra Claims          | Fee from below        | Fee Paid   |                          |                 |          |     |     |     |                    |                                     |      |     |     |                    |                   |  |      |     |                       |                       |                       |                           |                 |     |       |     |                    |  |      |     |      |     |                                   |  |                     |     |        |                                       |        |   |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
| 7  | -20**   | 0                     | 18                    | 0  |                          |                 |          |     |     |     |                    |                                     |      |     |     |                    |                   |  |      |     |                       |                       |                       |                           |                 |     |       |     |                    |  |      |     |      |     |                                   |  |                     |     |        |                                       |        |   |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
| 2  | -3**  | 0                     | 80                    | 0  |                          |                 |          |     |     |     |                    |                                     |      |     |     |                    |                   |  |      |     |                       |                       |                       |                           |                 |     |       |     |                    |  |      |     |      |     |                                   |  |                     |     |        |                                       |        |   |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
| Multiple Dependent   |   |                       |                       | 0  |                          |                 |          |     |     |     |                    |                                     |      |     |     |                    |                   |  |      |     |                       |                       |                       |                           |                 |     |       |     |                    |  |      |     |      |     |                                   |  |                     |     |        |                                       |        |   |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
| Large Entity Fee Code  | Large Entity Fee (\$)   | Small Entity Fee Code | Small Entity Fee (\$) | Fee Description  |                          |                 |          |     |     |     |                    |                                     |      |     |     |                    |                   |  |      |     |                       |                       |                       |                           |                 |     |       |     |                    |  |      |     |      |     |                                   |  |                     |     |        |                                       |        |   |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
| 103  | 18  | 203                   | 9                     | Claims in excess of 20   |                          |                 |          |     |     |     |                    |                                     |      |     |     |                    |                   |  |      |     |                       |                       |                       |                           |                 |     |       |     |                    |  |      |     |      |     |                                   |  |                     |     |        |                                       |        |   |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
| 102  | 78  | 202                   | 39                    | Independent claims in excess of 3  |                          |                 |          |     |     |     |                    |                                     |      |     |     |                    |                   |  |      |     |                       |                       |                       |                           |                 |     |       |     |                    |  |      |     |      |     |                                   |  |                     |     |        |                                       |        |   |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
| 104  | 260   | 204                   | 130                   | Multiple dependent claim, if not paid                                      |                          |                 |          |     |     |     |                    |                                     |      |     |     |                    |                   |  |      |     |                       |                       |                       |                           |                 |     |       |     |                    |  |      |     |      |     |                                   |  |                     |     |        |                                       |        |   |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
| 109  | 78  | 209                   | 39                    | ** Reissue independent claims over original patent                         |                          |                 |          |     |     |     |                    |                                     |      |     |     |                    |                   |  |      |     |                       |                       |                       |                           |                 |     |       |     |                    |  |      |     |      |     |                                   |  |                     |     |        |                                       |        |   |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
| 110  | 18  | 210                   | 9                     | ** Reissue claims in excess of 20 and over original patent                 |                          |                 |          |     |     |     |                    |                                     |      |     |     |                    |                   |  |      |     |                       |                       |                       |                           |                 |     |       |     |                    |  |      |     |      |     |                                   |  |                     |     |        |                                       |        |   |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |
| <b>Subtotal (2)</b>  |   |                       |                       |  | <b>(\$)<b>0.00</b></b>   |                 |          |     |     |     |                    |                                     |      |     |     |                    |                   |  |      |     |                       |                       |                       |                           |                 |     |       |     |                    |  |      |     |      |     |                                   |  |                     |     |        |                                       |        |   |      |     |  |     |    |  |      |  |                     |     |     |   |      |                        |     |     |     |  |      |     |       |     |     |   |      |     |       |     |     |  |      |     |     |     |     |                  |      |     |     |     |     |  |      |     |     |     |     |                          |      |     |       |     |       |   |      |     |     |     |    |                                  |      |     |       |     |     |                                    |      |     |       |     |     |                                |      |     |     |     |     |                  |      |     |     |     |     |                 |      |     |     |     |     |                               |      |     |    |     |    |   |      |     |     |     |     |   |      |     |    |     |    |  |       |     |     |     |     |   |      |     |     |     |     |  |      |                           |  |  |  |  |      |                           |  |  |  |  |      |                     |  |  |  |  |                         |

|                     |   |                                   |              |
|---------------------|---|-----------------------------------|--------------|
| <b>SUBMITTED BY</b> |   | <b>Complete (if applicable)</b>   |              |
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